

ABSTRACT

Featured is a heat transferring device being configured and arranged so that at least some of the heat energy being generated by a heat producing device, such as the a bearing assembly of a flywheel energy storage system, is communicated directly from the locus of the device directly to a heat sink structure remote from the locus of the device. The heat-transferring device includes one or more flexible thermally conductive members, one end of each being thermally coupled to the heat generating device and the other end of each being thermally coupled to the heat sink. The flexible member also is configured and arranged so as to allow relative motion between the heat generating device and the heat sink in or about one or more directions or axes. The heat-transferring device further includes first and second conductive members that are each configured and arranged to thermally couple each flexible member end to one of the heat producing device and the heat sink.